



Name: \_\_\_\_\_ Date: \_\_\_\_\_ Group: \_\_\_\_\_

# CONCEPT ATTAINMENT QUIZ

## I. Vocabulary Matching

Match the term in the box to the correct definition.

- |          |   |                      |
|----------|---|----------------------|
| 1. _____ | The smallest particle that has the properties of an element                 | A. Atom              |
| 2. _____ | A property of matter that creates a force between objects                   | B. Protons           |
| 3. _____ | A tiny negatively charged subatomic particle outside the nucleus of an atom | C. Electrons         |
| 4. _____ | A neutral subatomic particle in the nucleus of an atom                      | D. Neutrons          |
| 5. _____ | A positively charged subatomic particle in the nucleus of an atom           | E. Electrical charge |

## II. Identification

Use the words provided to fill in the blanks.

### Word Bank

center	matter	proton	neutron	electrons
positively	nucleus	protons	neutrons	

- The nucleus is at the \_\_\_\_\_ of an electron cloud within the atom.  
\_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_ make up the atoms of every element.
- A proton is a \_\_\_\_\_ charged subatomic particle in the \_\_\_\_\_ of an atom.
- \_\_\_\_\_ and \_\_\_\_\_ determine the mass of an atom.

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## III. Open-Ended Response

Answer the questions below. Use additional paper if needed.

1. Explain what type of electrical charge protons and electrons hold. In addition, explain how an atom holds no charge at all.

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2. Describe the location of a proton within an atom. Compare the mass of a proton in regards to other subatomic particles.

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